

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The period of cosec $10x$ is _____	
3	The points $(5, 2, 4)$, $(6, -1, 2)$ and $(8, -7, k)$ are collinear if k is equal to	A. -2 B. 2 C. 3 D. -1
4	Question Image	A. 0 B. 1 C. -2 D. 10
5	Question Image	A. 0 B. 1 D. -1
6	The value of x , and y , when $(x + iy)^2 = 5 + 4i$	A. $X = 2, y = -1$ B. $X = -2, y = 1$ C. $X = 2, y = -1$ D. $X = 2, y = 2$
7	Question Image	
8	The domain of the principal tan function is	
9	The radius of the circle $x^2 + y^2 - 6x + 4y + 13 = 0$, is	A. 1 B. 2 C. 0 D. None of these
10	Name the property used in $4 + 9 = 9 + 4$	A. Associative property of addition B. Commutative property of addition C. Distributive property D. Additive identity
11	Question Image	
12	A conjunction of two statement p and q is true only if	A. p is true B. q is true C. Both p and q are true D. both p and q are false
13	A conditional is regarded as false only when the antecedent is true and consequent is	A. True B. False C. Known D. Unknown
14	Question Image	
15	$f(x) = ax + b$ will be a constant function if	A. $a = 1, b = 1$ B. $a = 1, b = 0$
16	If $y = 2x$, then	A. $y^1 - \ln 2y = 0$ B. $y^2 - (\ln 2)^2 y = 0$ C. $y^2 - (\ln 2)y^1 = 0$ D. All are correct
17	Question Image	
18	Question Image	
19	If circumference of circle is divided into 360 congruent parts the angle subtended by one part at the centre of circle is	A. 1 degree B. 1 second C. 1 minute D. 1 radian
20	$ax^2 + 2hxy + by^2 + 2gx + 2fy + c = 0$ may represent an ellipse if	A. $h^2 - ab < 0$ B. $h^2 - ab \neq 0$ C. $h^2 - ab = 0$ D. $h^2 - ab > 0$

